

NCHC_Intern_WebApp



A [Trame](#) web app that interact with .vtu/.vtk files compactly and intuitively.

Trame

trame - An open-source platform for creating interactive and powerful visual analytics applications. Based on **Python**, and leveraging platforms such as [VTK](#), [ParaView](#), and **Vega**, it is possible to create web-based applications in minutes.

Installation

Install Dependencies

```
> pip install "vtk>=9.1.0" trame
```

Run Server

```
› python app.py --port 8080
```

Introduction

Tech Stack

- Trame
 - A [Python](#) integration framework to easily build web applications
- VTK
 - [VTK](#) (*Visualization Toolkit*) is for 3D computer graphics, modeling, image processing, volume rendering, scientific visualization, and 2D plotting.
- Vuetify
 - A [Vue](#) UI Library with beautifully handcrafted Material Components

APP_URL

<http://localhost:8080>

Development

Requirements

```
› git clone https://github.com/kypkk/NCHC_Intern_
› cd NCHC_Intern_WebApp
› pip install requirements.txt
```

Guides

[VTK in Trame](#)

[Vuetify in Trame](#)

[Vuetify Components](#)

[Useful VTK Examples](#)